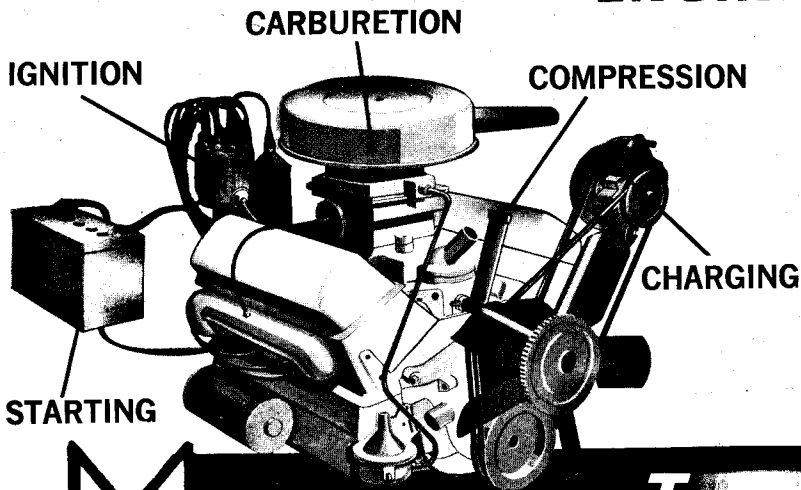


Sun RASTRONIC

ENGINE DIAGNOSIS



Order No. _____

Customer Name _____ Date _____

Address _____ Phone _____

Make _____ Model _____ Mileage _____ License No. _____

Customer Comments: _____

Travel

Diagnostic Highway!

START

IDLE

CRUISE
(1000 RPM)

ACCELERATE

TURNPIKE
(2500 RPM)



STOP

TEST PROCEDURE	READ	TEST CONDITION OF:	SPECS.	RESULTS				
Cranking Voltage	Voltmeter	Battery, Starting System						
Cranking Coil Output	Scope (Display)	Coil, Ign. Primary Circuit						
Cranking Vacuum	Vacuum Gauge	Engine Mechanical						
PCV Test	Vacuum Gauge	Positive Crankcase Vent.						
Idle Speed	Tachometer	Idle Speed Adjustment						
Dwell	Dwell Meter	Breaker Point Setting						
Initial Timing	Timing Advance Unit	Spark Timing Setting						
Fuel Mixture	Combustion Eff. Tester	Carburetor Idle Circuit						
Manifold Vacuum	Vacuum Gauge	Engine Idle Efficiency						
Dwell Variation	Dwell Meter	Distributor Mechanical Cond.						
Coil Polarity	Scope (Superimposed)	Coil Installation, Sys. Polarity						
Cam Lobe Accuracy	Scope (Superimposed)	Distributor Breaker Cam						
Secondary Circuit Condition	Scope (Raster)	Plugs, Wires, Cap, Rotor Res.						
Coil and Condenser Condition	Scope (Raster)	Coil Windings, Cond. Leakage						
Breaker Point Condition	Scope (Raster)	Point close, bounce, open, arc						
Spark Plug Firing Voltage	Scope (Display)	Fuel Mix., Comp., Plug Rotor Gaps						
Fuel Mixture	Combustion Eff. Tester	Carb. Air Bleeds, Float level						
Electro Power Balance	E.P.B. & Vac. Gauge Scale	Individual Cyl. Comp. Factors						
Record RPM and Vac.	1	2	3	4	5	6	7	8
Engine Under Load	Scope (Display)	Worn or Fouled Spark Plugs						
Accelerator Pump Action	Combustion Eff. Tester	Carburetor Accelerator Pump						
Timing Advance	Timing Advance Unit	Dist. Mech. and Vac. Advance						
Maximum Coil Output	Scope (Display)	Coil, Condenser, Ign. Primary						
Secondary Circuit Insulation	Scope (Display)	High tension Wires, Cap, Rotor						
Charging Voltage	Voltmeter	Generator-Alternator, Volt. Reg.						
Fuel Mixture	Combustion Eff. Tester	Air Cleaner, Carburetor						
Exhaust Restriction	Vacuum Gauge	Exhaust System						

REVIEW TESTS RESULTS... ➡

SUN CLINIC INSPECTION GUIDE



CUSTOMER NAME _____ DATE _____

STREET ADDRESS _____ CITY, STATE _____ PHONE _____

MAKE OF CAR _____ YEAR _____ MODEL _____ LICENSE _____

PRESENT MILEAGE _____ MILES AT LAST LUBRICATION _____ MILES AT LAST OIL CHANGE _____

DATE OF LAST TUNE-UP _____ CUSTOMER COMMENTS _____



GENERAL AND UNDER-HOOD INSPECTION

STEERING	OK	NO
HORN	OK	NO
LIGHTS	OK	NO
TURN SIGNALS	OK	NO
PANEL LAMPS	OK	NO
WIPER OPERATION	OK	NO
WIPER BLADES	OK	NO
WASHER	OK	NO
BRAKE PEDAL	OK	NO
HAND BRAKE	OK	NO
CLUTCH PEDAL	OK	NO
SHIFT LINKAGE	OK	NO
GLASS	OK	NO
MIRRORS	OK	NO
DOOR LATCHES	OK	NO
SEAT BELTS	OK	NO
BATTERY	OK	NO
DRIVE BELTS	OK	NO
RADIATOR	OK	NO
HOSES	OK	NO
OIL	OK	NO
BREATHER	OK	NO
AIR CLEANER	OK	NO
MASTER CYLINDER	OK	NO

UNDER-CAR INSPECTION (ON LIFT)

WHEEL BEARING	OK	NO
BRAKE LINING	OK	NO
WHEEL CYL'S.	OK	NO
STEERING	OK	NO
FRT. SUSPENSION	OK	NO
TIRES	OK	NO
SPRINGS	OK	NO
SHOCK ABSORBERS	OK	NO
OIL LEAKS		
ENGINE	OK	NO
TRANSMISSION	OK	NO
DIFFERENTIAL	OK	NO
DRIVE LINE	OK	NO
MUFFLER	OK	NO
TAIL PIPE	OK	NO

SUN ENGINE TESTS

TEST PROCEDURE

RESULTS

START

Cranking Voltage	OK	NO
Cranking Coil Output	OK	NO
Cranking Vacuum	OK	NO
PCV Test	OK	NO

IDLE

Idle Speed	OK	NO
Dwell	OK	NO
Initial Timing	OK	NO
Fuel Mixture	OK	NO
Manifold Vacuum	OK	NO

CRUISE

(1000 RPM)

Dwell Variation	OK	NO
Coil Polarity	OK	NO
Cam Lobe Accuracy	OK	NO
Secondary Circuit Condition	OK	NO
Coil and Condenser Condition	OK	NO
Breaker Point Condition	OK	NO
Spark Plug Firing Voltage	OK	NO
Fuel Mixture	OK	NO
Electro Power Balance	OK	NO

ACCELERATE

Spark Plugs Under Load	OK	NO
Accelerator Pump Action	OK	NO

TURNPIKE

(2500 RPM)

Timing Advance	OK	NO
Maximum Coil Output	OK	NO
Secondary Circuit Insulation	OK	NO
Charging Voltage	OK	NO
Fuel Mixture	OK	NO
Exhaust Restriction	OK	NO

4. RECOMMENDATIONS:

It has been our pleasure to cooperate with Sun Electric in checking the safety and performance of your car in order to make your motoring safer and more pleasant.

YOUR CAR IS OUR CARE

APPOINTMENT: _____ AT _____ AM PM